Feedback — Quiz 4   Help Center

You submitted this quiz on **Fri 29 May 2015 4:41 PM PDT**. You got a score of **8.00** out of **8.00**.

Question 1

Which of the following are correct statements regarding HTTP polling? (Select all that apply)

Your Answer		Score	Explanation
☑ Dynamically adapting the polling interval is one approach to reducing unnecessary HTTP requests	✔	0.33	
☑ Since a client does not have direct access to any server-side state, the client may waste resources by polling the server for updates when there are none	✔	0.33	
☑ Polling can generate excess load on a server if the polling interval is too short	✔	0.33	
Total		1.00 / 1.00	

Question Explanation

See video on HTTP Polling from week #3 and #4.

Question 2

Which of the following are true of Push Messaging? (Select all that apply)

Your Answer		Score	Explanation
☑ Push messaging relies on a persistent connection between a mobile device and a push messaging system's servers	✔	0.25	

☑ If the state that needs to be pushed to a client is extremely sensitive, a "push to poll" model where the server sends a push notification and then the client polls for a state update is most appropriate	✔	0.25
☑ If the state that needs to be pushed to a client is extremely large (e.g., multiple megabytes), a "push to poll" model where the server sends a push notification and then the client polls for a state update is most appropriate	✔	0.25
☐ Polling should never be combined with push messaging	✔	0.25
Total		1.00 / 1.00

Question Explanation

See videos on Push Messaging from weeks #3 and #4.

Question 3

Which of the following are true statements about JSON? (select all that apply)

Your Answer		Score	Explanation
☑ It is more space efficient than XML	✔	0.25	
☑ It can be used to express arrays of objects	✔	0.25	
☑ It is a text-based format	✔	0.25	
☐ It is less space efficient than XML	✔	0.25	
Total		1.00 / 1.00	

Question Explanation

See videos on JSON from weeks #3 and #4.

Question 4

Which of the following are true of Java annotations? (select all that apply)

Your Answer		Score	Explanation
☐	They can not be applied to a class	✔ 0.25	
☐	They can not be applied to member variables	✔ 0.25	
☐	They can not be applied to an interface	✔ 0.25	
☑	They can be used to provide metadata for methods and other Java constructs	✔ 0.25	
	Total	1.00 / 1.00	

Question Explanation

See videos on Java Annotations from weeks #3 and #4.

Question 5

Which of the following are true statements about the Retrofit library?

Your Answer		Score	Explanation
☑	It can be used to provide strong typing for interactions with HTTP-based cloud services	✔ 0.25	
☐	It can only be used to send primitive types as HTTP request parameters	✔ 0.25	
☐	It only supports passing data through a request body	✔ 0.25	
☑	It can automatically marshall Java objects into HTTP request bodies	✔ 0.25	
	Total	1.00 / 1.00	

Question Explanation

See video on Retrofit from week #3 and #4.

Question 6

Which of the following are correct statements about REST (select all that apply)?

Your Answer		Score	Explanation
☐ It specifies methods to add security to requests by encoding tokens into HTTP headers	✔	0.25	
☐ It specifies a mapping from JSON to request parameters	✔	0.25	
☐ It requires all data transfer to be via POST requests	✔	0.25	
☐ It provides a set of annotations to aid in marshalling data into HTTP requests	✔	0.25	
Total		1.00 / 1.00	

Question Explanation

See video on REST from week #3 and #4.

Question 7

Which of the following is true of HTTP Polling (select all that apply)?

Your Answer		Score	Explanation
☑ Polling creates situations where the data on the client and server may not be synchronized	✔	0.25	
☑ Polling may be inefficient if the data on the server does not change frequently and the client polls often	✔	0.25	
☑ Polling may be efficient (in terms of overhead) if the data on the server changes continuously and the client polls infrequently	✔	0.25	
☐ Polling is the only option for a client to receive updates	✔	0.25	

regarding the state of data on the server

Total	1.00 / 1.00

Question Explanation

See video on HTTP Polling from week #3 and #4.

Question 8

Which of the following is true of data marshalling from JSON to Java objects (select all that apply)?

Your Answer		Score	Explanation
☐ It is only possible on the server-side	✔	0.25	
☐ It requires the use of XML	✔	0.25	
☑ It can be automated with libraries like Jackson	✔	0.25	
☐ It is not commonly used	✔	0.25	
Total		1.00 / 1.00	

Question Explanation

See video on HTTP to Object Marshalling from week #3 and #4.